



9503

Multi-Conductor - Computer Cable for EIA RS-232 Applications



Description

24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, PVC jacket.

Put Ups and Colours

Item #	Putup	Ship Weight	Jacket Colour	Notes	Item Description
9503 060100	100 FT	3.400 LB	CHROME		3 PR #24 PVC FS PVC CHR
9503 0601000	1,000 FT	30.000 LB	CHROME	C	3 PR #24 PVC FS PVC CHR
9503 060500	500 FT	14.500 LB	CHROME	C	3 PR #24 PVC FS PVC CHR
9503 060U1000	1,000 FT	28.000 LB	CHROME		3 PR #24 PVC FS PVC CHR
9503 060U500	500 FT	15.000 LB	CHROME		3 PR #24 PVC FS PVC CHR

Notes:

C = Create Reel Put-up

Physical Characteristics (overall)

Conductor – AWG

# Pairs	AWG	Stranding	Conductor Material
3.000	24	7x32	TC – Tinned Copper

Insulation – Insulation Material

Ins Material
S-R PVC – Semi Rigid Polyvinylchloride

Outer Shield - Outer Shield Material

Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
Beldfold®	Tape	Aluminium Foil-Polyester Tape	100

Outer Shield Drawn Wire AWG

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC – Tinned Copper

Outer Jacket – Outer Jacket Material

Outer Jacket Material
PVC – Polyvinylchloride

Overall Cabling – Overall Nominal Diameter: 0.232 in.

Pair Colour Code Chart

Number	Colour
1	Black & Red
2	Black & White
3	Black & Green

Mechanical Characteristics (overall)

Operating Temperature Range	-30°C to +80°C
UL Temperature Range	80°C (UL AWM Style 2464)
Bulk Cable Weight	27.100 lbs/1000ft
Max. Recommended Pulling Tension	33 lbs
Min. Bend Radius (Install)/Minor Axis	2.500 In.

Applicable Specifications and Agency Compliance (overall)

Application

NEC (UL) Specification	CMG
CEC/C (UL) Specification	CMG
AWM Specification	UL Style 2464 (300 V 80°C)
CSA Specification	AWM I A
EU CE Mark	
EU RoHS Compliant (commence date: dd/mm/yyyy)	(01/04/2005)

Flame Test

UL Flame Test	UL 1685 FT4 Loading
C (UL) Flame Test	FT4

Plenum/Non-Plenum

Plenum	89503, 82503
Plenum Number	

Electrical Characteristics (overall)

Nom. Characteristics Impedance

Impedance (Ohm)
75.000

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
30.000

Nom. Capacitance Conductor to Other Conductor & Shield

Capacitance (pF/ft)
50.000

Nominal Velocity of Propagation

VP (%)
60

Nominal Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
24.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
17.000

Max. Operating Voltage – UL

Voltage
300 V RMS (UL AWM Style 2464)

Max. Recommended Current

Current
1.76 Amps per conductor @ 25°C